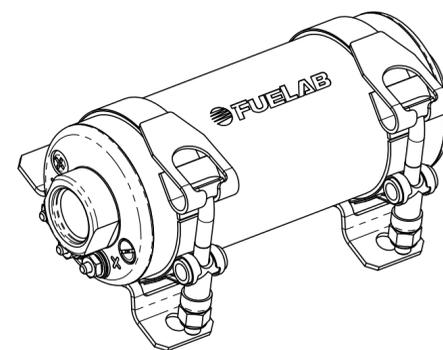
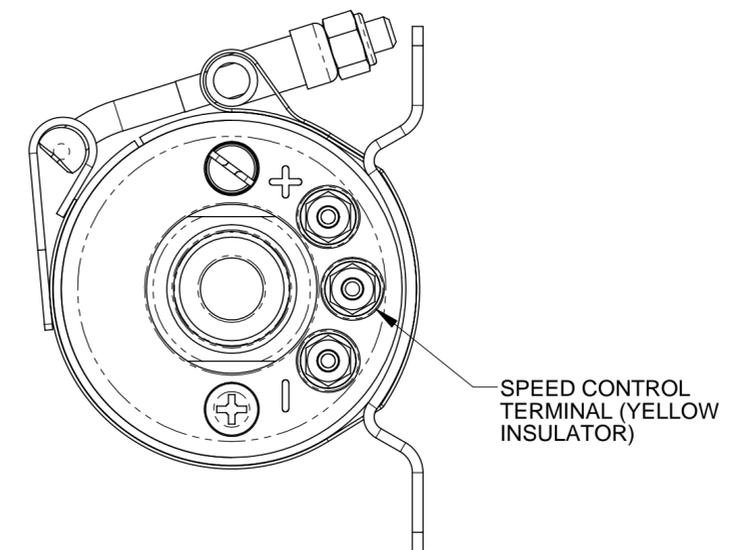
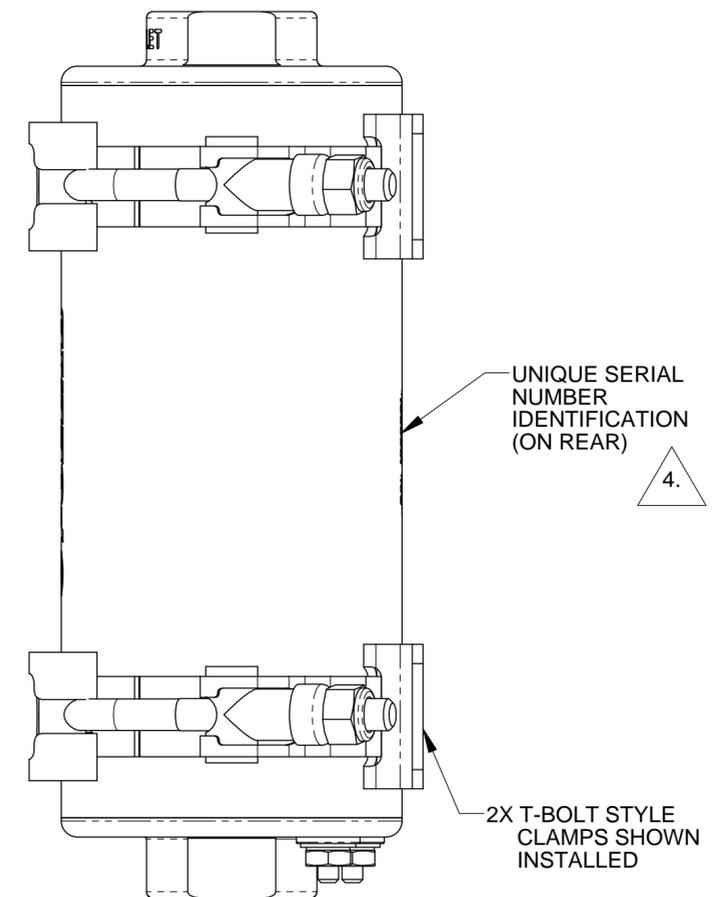
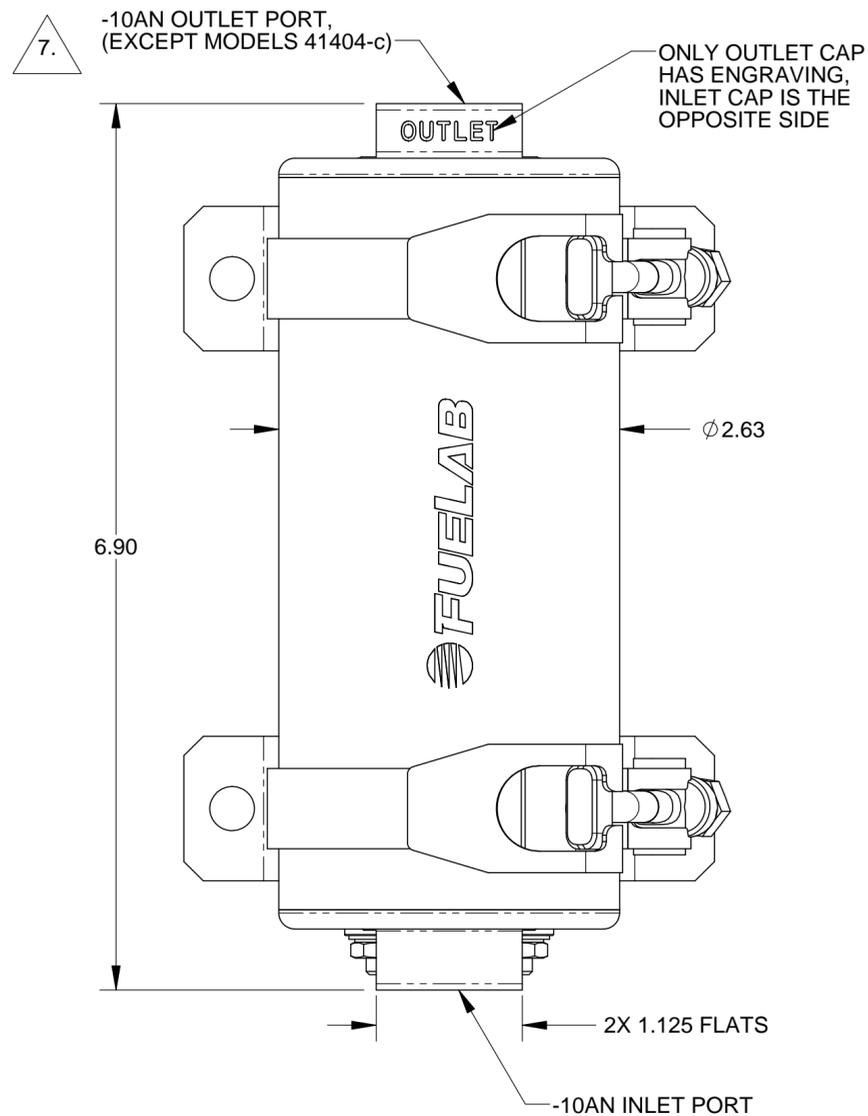


NOTES:

1. THIS DRAWING DESCRIBES THE FUELAB 414xx SERIES ELECTRONIC FUEL PUMP. UNLESS OTHERWISE SPECIFIED, ALL VIEWS ARE MODELS 41401-c, 41402-c OR 41403-c.
2. FEATURES INCLUDE:
 - THREE PHASE DC BRUSHLESS MOTOR WITH NEODYMIUM MAGNETS
 - INTEGRATED ELECTRONICS WITH SPEED CONTROL
 - WET MOTOR DESIGN, WITHOUT DYNAMIC SHAFT SEALS
 - BILLET ALUMINUM, STAINLESS STEEL CONSTRUCTION WITH FLUOROSILICONE SEALS
 - STANDARD T-BOLT STAINLESS STEEL BRACKETS INCLUDED
3. FUEL COMPATIBILITY INCLUDES:
 - GASOLINE (PUMP OR RACE)
 - METHANOL
 - ETHANOL (INCLUDING E85)
 - DIESEL
4. UNIQUE SERIAL NUMBER DOES NOT CONTAIN DIRECT INFORMATION IN DETERMINING MODEL NUMBER. CONTACT FUELAB FOR DETERMINATION OF MODEL NUMBER BASED ON SERIAL NUMBER.
5. TWO (2) T-BOLT STAINLESS STEEL BRACKETS, O-RINGS, INSTRUCTIONS AND PERFORMANCE CERTIFICATION INCLUDED, BAGGED SERPARATELY FROM PUMP.
6. 8-18 VOLT OPERATING RANGE, USE ONLY 12 VOLT (6 CELL LEAD ACID BATTERY) VEHICLE SYSTEMS WITH OR WITHOUT CHARGING SYSTEM, OR 16 VOLT (8 CELL LEAD ACID BATTERY) VEHICLE SYSTEMS WITHOUT CHARGING SYSTEM.
7. MODEL 41404-c SAME AS 41403-c, EXCEPT HAVING EXTERNAL BYPASS VALVE WITHIN OUTLET CAP. MAXIMUM PRESSURE RATING FOR MODEL 41404-c IS A DEAD HEAD CONDITION (ZERO FLOW). ALL OTHER PUMP MODELS REQUIRE BYPASS REGULATOR OR RELIEF VALVE TO AVOID OVER-PRESSURE OPERATING CONDITION.
8. REFERENCE DRAWING 1100202A1 FOR ASSEMBLY INSTRUCTIONS.
9. SEE TABLES BELOW FOR DETERMINATION OF DESIRED MODEL NUMBER



**ISOMETRIC VIEW
SCALE: 1/2**

MODEL SELECTION TABLE

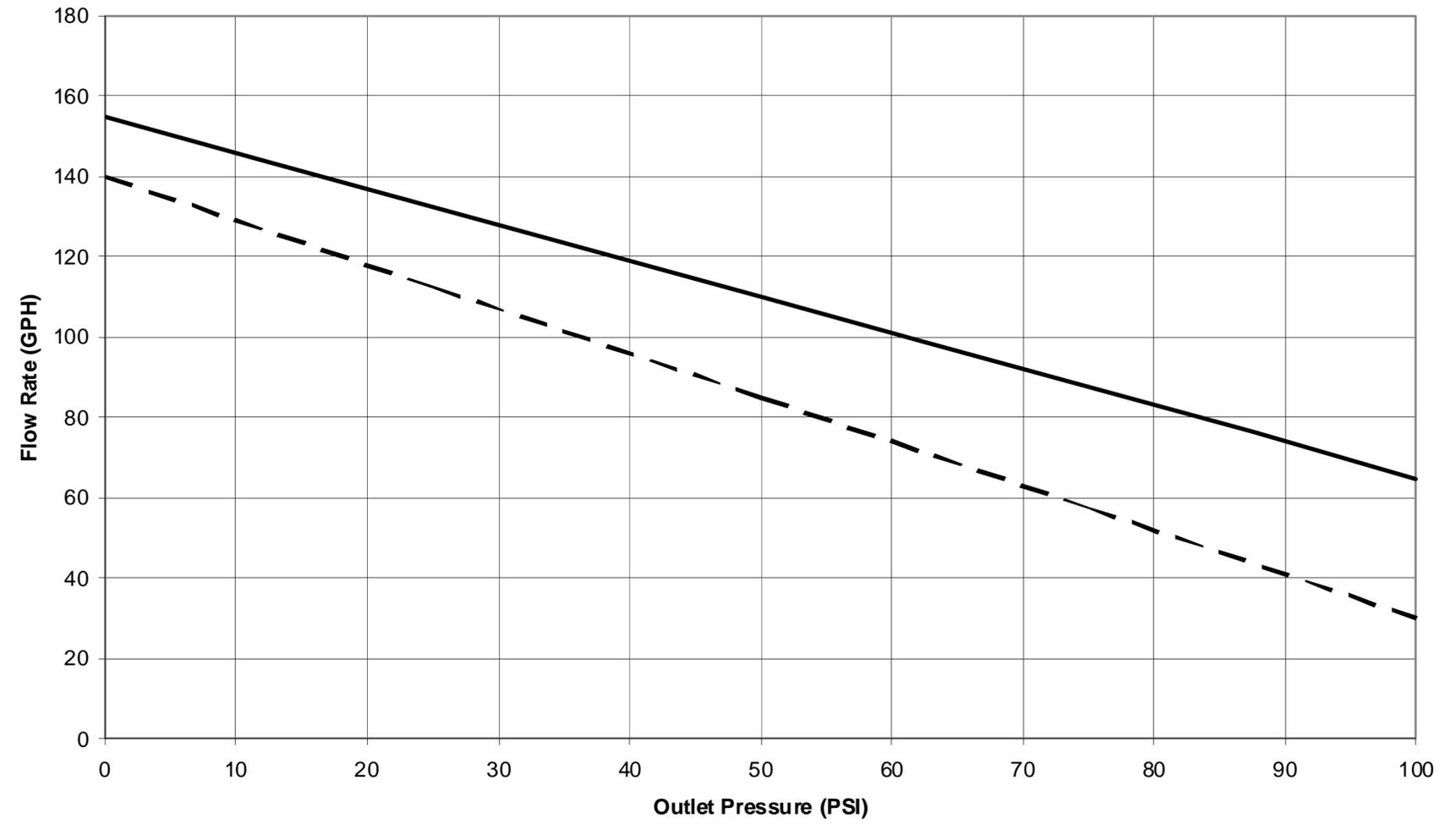
MODEL	FLOW RATING, AT 13.5v	FLOW RATING, AT 13.5v	MAX. PRESSURE
41401-c	105 GPH AT 45 PSI	400 LPH AT 3 BAR	125 PSI (8.5 BAR)
41402-c	140 GPH AT 45 PSI	530 LPH AT 3 BAR	100 PSI (6.8 BAR)
41403-c	200 GPH AT 20 PSI	750 LPH AT 1.5 BAR	80 PSI (5.5 BAR)
41404-c	200 GPH AT 20 PSI	750 LPH AT 1.5 BAR	30 PSI (2.1 BAR)

COLOR CODE, c

c	SLEEVE COLOR	CAPS COLOR
1	BLACK	BLACK
2	RED	CLEAR
3	BLUE	CLEAR
4	PURPLE	CLEAR
5	GOLD	BLACK
6	GREEN	CLEAR

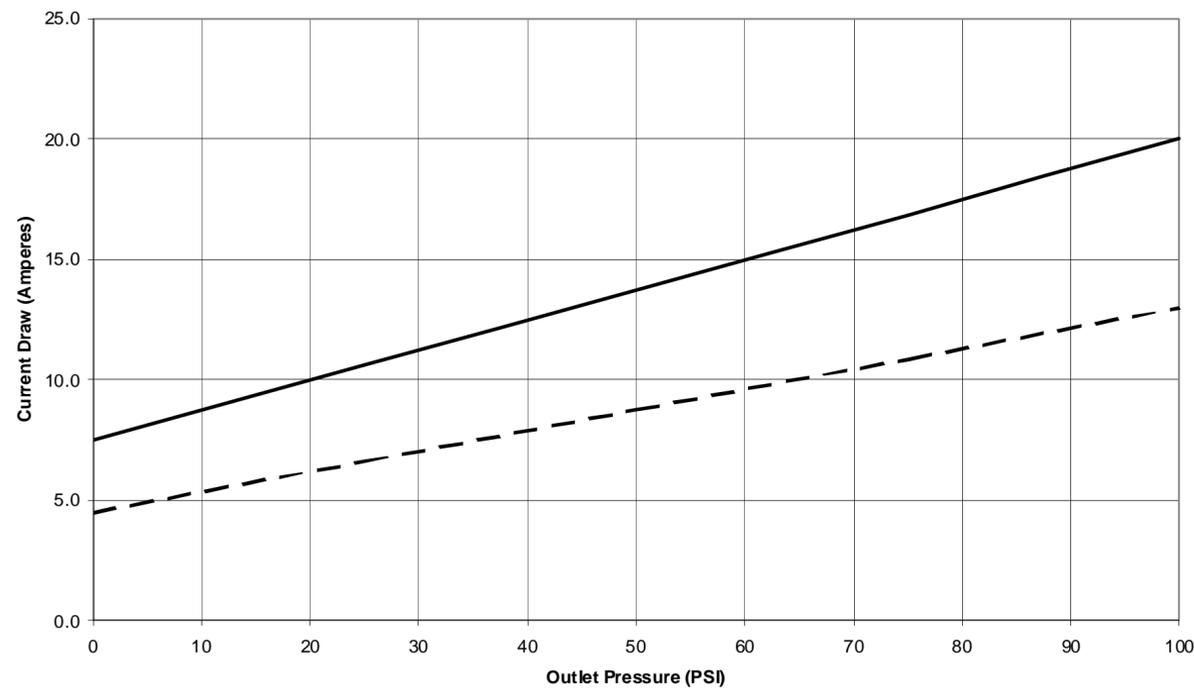
UNLESS OTHERWISE SPECIFIED: INTERPRET DWG PER ANSI Y14.5 DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL: ±1/64" ANGULAR: ±1/2° DECIMALS: X±1 .XX±0.03 .XXX±0.010 SURFACE FINISH: 128 OR BETTER BREAK ALL SHARP EDGES: 0.10 MAX REMOVE ALL BURRS		<p>DIGITAL FUEL DELIVERY Litchfield, Illinois</p>	
TITLE: ELECTRONIC FUEL PUMP, 414xx SERIES		SIZE: C	DWG. NO.: 110020100
THIRD ANGLE PROJECTION		SCALE: 1/1	REV: A
DO NOT SCALE DRAWING		WEIGHT: 2.4 LB	SHEET: 1 OF 5

Flow Performance - Model 41401, at 13.5 Volts



— 41401-c Full Speed - - 41401-c (-60) Reduced Speed

Current Draw Performance - Model 41401, at 13.5 Volts



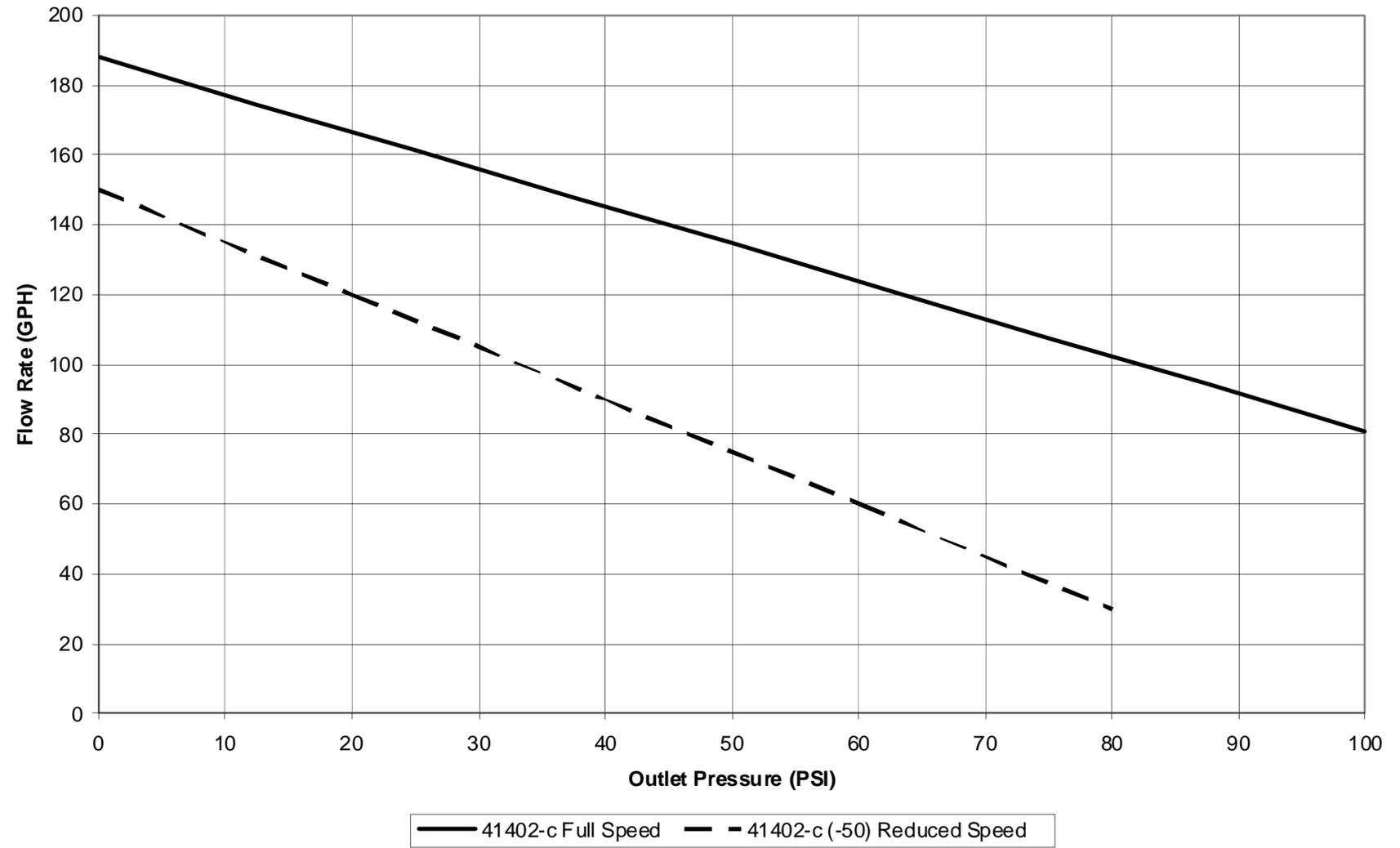
— 41401-c Full Speed - - 41401-c (-60) Reduced Speed

UNLESS OTHERWISE SPECIFIED: INTERPRET DWG PER ANSI Y14.5 DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL: ±1/64" ANGULAR: ±1/2° DECIMALS: X±1 .XX±0.03 .XXX±0.010 SURFACE FINISH 128 ✓ OR BETTER BREAK ALL SHARP EDGES .010 MAX REMOVE ALL BURRS		 <i>Litchfield, Illinois</i>	
TITLE: ELECTRONIC FUEL PUMP, 414xx SERIES			
SIZE C	DWG. NO. 110020100	REV A	
SCALE: 1/1		WEIGHT: 2.4 LB	SHEET: 2 OF 5

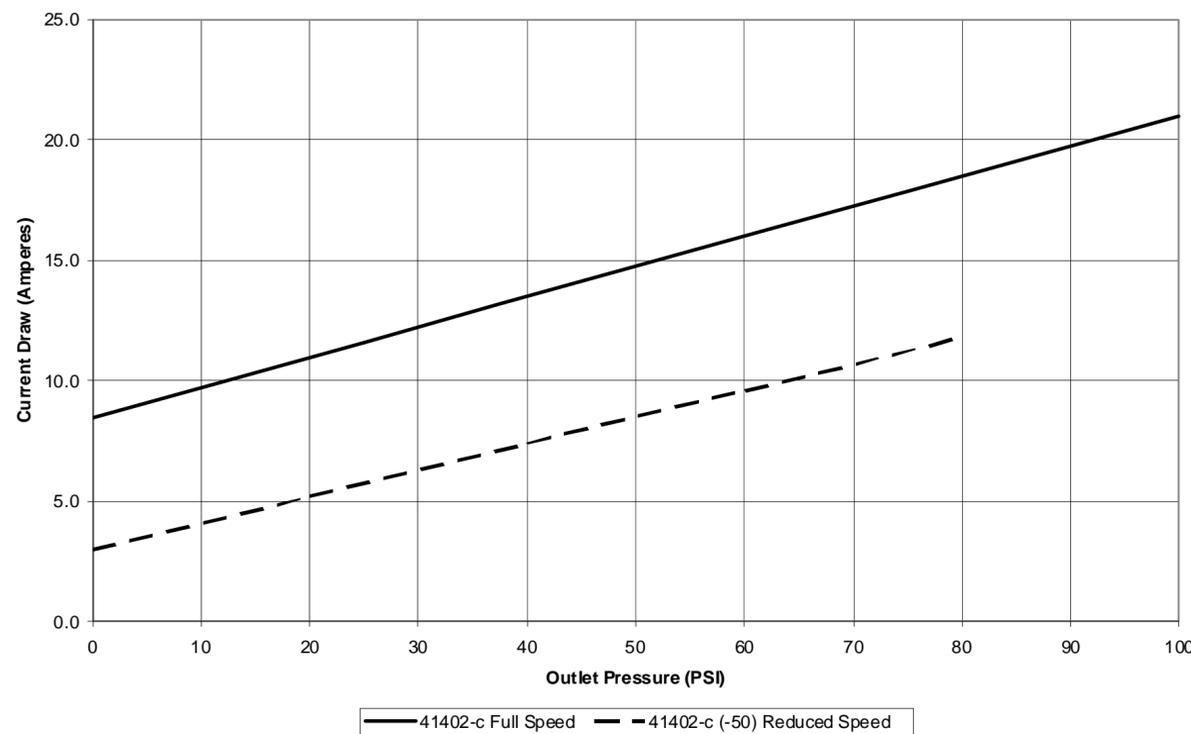
THIRD ANGLE PROJECTION 

DO NOT SCALE DRAWING

Flow Performance - Model 41402, at 13.5 Volts

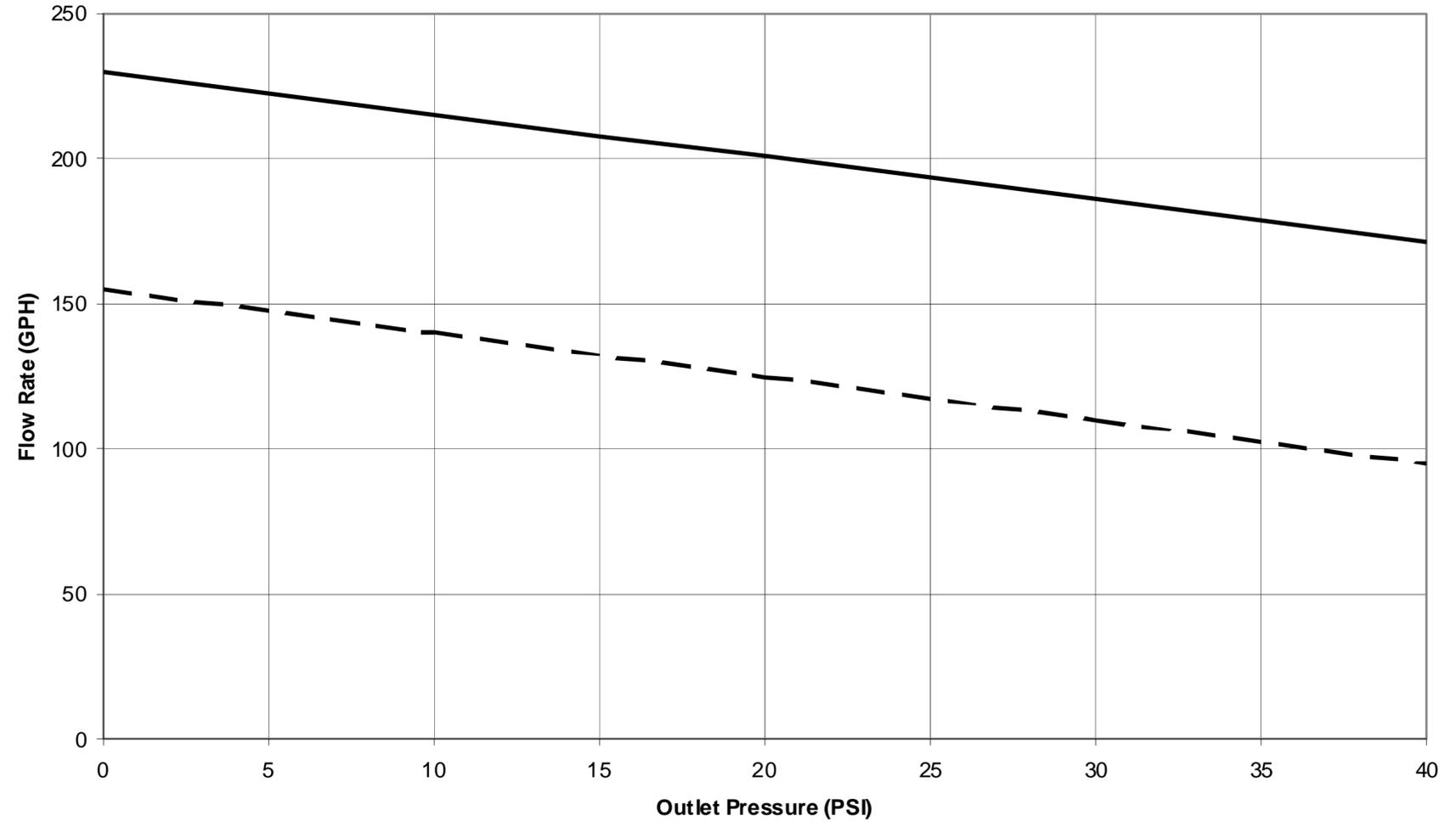


Current Draw Performance - Model 41402, at 13.5 Volts



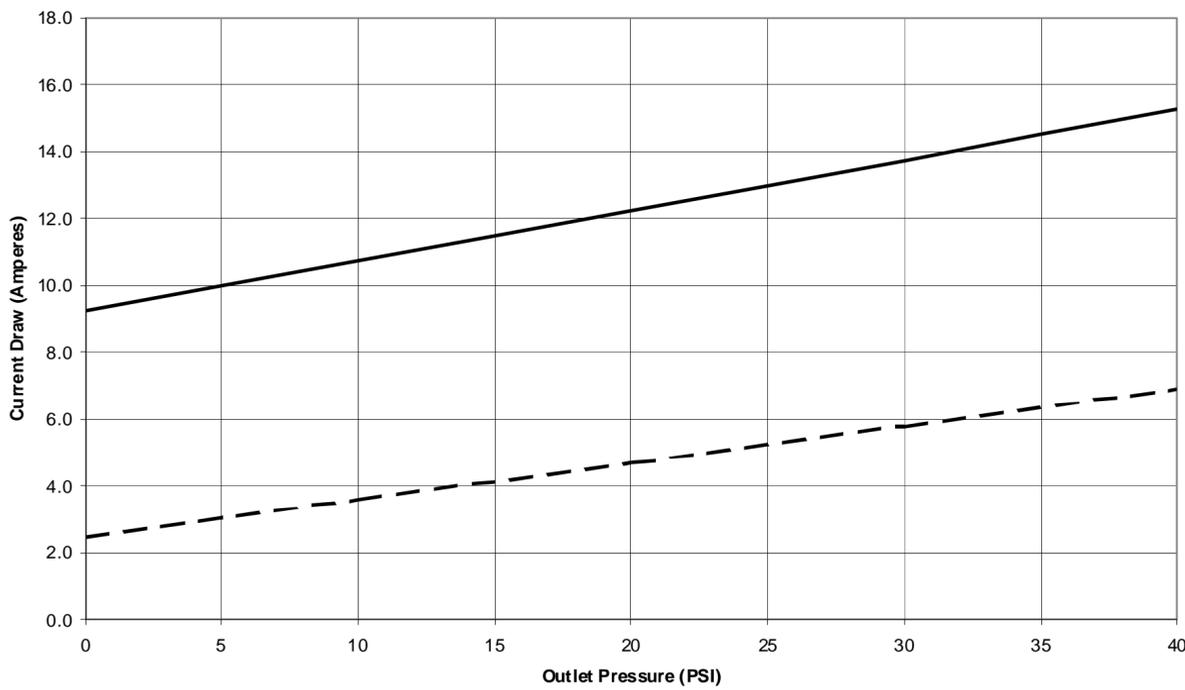
UNLESS OTHERWISE SPECIFIED: INTERPRET DWG PER ANSI Y14.5 DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL: ±1/64" ANGULAR: ±1/2° DECIMALS: X±1 .XX±0.03 .XXX±0.010 SURFACE FINISH 128 ✓ OR BETTER BREAK ALL SHARP EDGES .010 MAX REMOVE ALL BURRS		 <i>Litchfield, Illinois</i>	
TITLE: ELECTRONIC FUEL PUMP, 414xx SERIES			
SIZE C	DWG. NO. 110020100	REV A	
SCALE: 1/1		WEIGHT: 2.4 LB	SHEET: 3 OF 5

Flow Performance - Model 41403, at 13.5 Volts



— 41403-c Full Speed - - 41403-c (-40) Reduced Speed

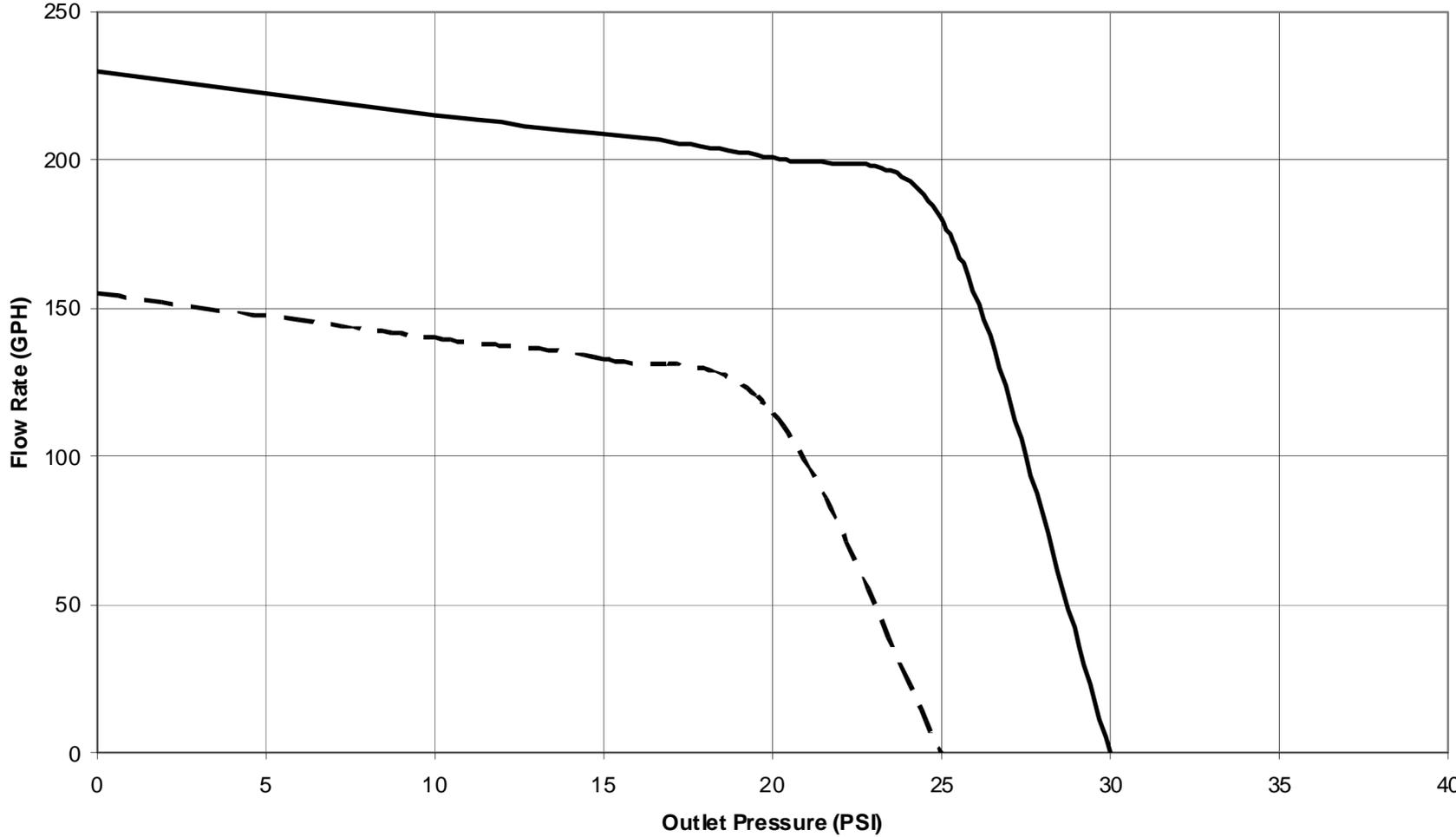
Current Draw Performance - Model 41403, at 13.5 Volts



— 41403-c Full Speed - - 41403-c (-50) Reduced Speed

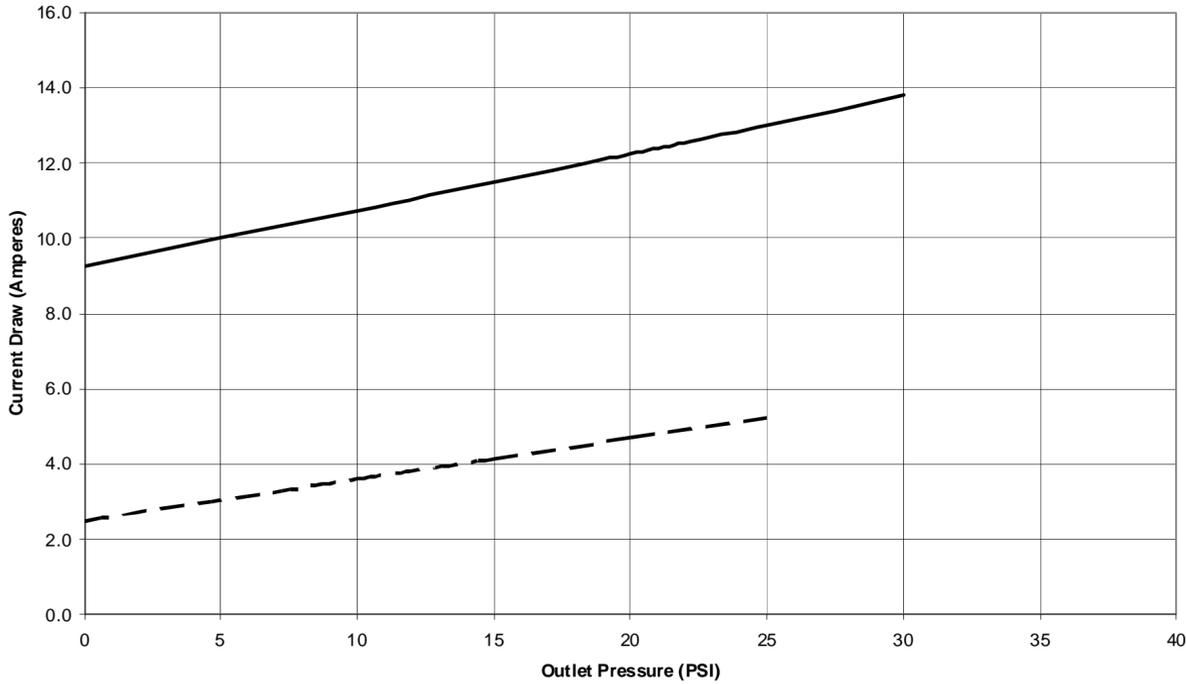
<small>UNLESS OTHERWISE SPECIFIED: INTERPRET DWG PER ANSI Y14.5 DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL: ±1/64" ANGULAR: ±1/2° DECIMALS: X±1 .XX±.03 .XXX±.010 SURFACE FINISH: 128 OR BETTER BREAK ALL SHARP EDGES .010 MAX REMOVE ALL BURRS</small>		 <i>Litchfield, Illinois</i>	
<small>TITLE:</small> ELECTRONIC FUEL PUMP, 414xx SERIES			
<small>SIZE</small> C	<small>DWG. NO.</small> 110020100	<small>REV</small> A	
<small>DO NOT SCALE DRAWING</small>			
<small>SCALE: 1/1</small>		<small>WEIGHT: 2.4 LB</small>	<small>SHEET: 4 OF 5</small>

Flow Performance - Model 41404, at 13.5 Volts



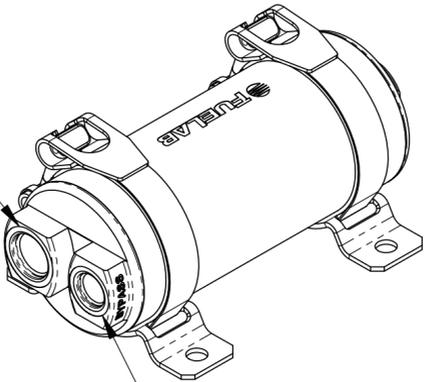
— 41404-c Full Speed - - 41404-c (-40) Reduced Speed

Current Draw Performance - Model 41404, at 13.5 Volts



— 41404-c Full Speed - - 41404-c (-50) Reduced Speed

-8AN OUTLET PORT FOR MODEL 41404-c PUMP ONLY SHOWN.



-6AN RETURN LINE OR BYPASS PORT FOR MODEL 41404-c PUMP ONLY SHOWN.

**ISOMETRIC VIEW
MODEL 41404-c SHOWN ABOVE ONLY
SCALE: 1/2**



UNLESS OTHERWISE SPECIFIED: INTERPRET DWG PER ANSI Y14.5 DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL: ±1/64" ANGULAR: ±1/2° DECIMALS: X±1 .XX±0.03 .XXX±0.010 SURFACE FINISH: 128 ✓ OR BETTER BREAK ALL SHARP EDGES: 010 MAX REMOVE ALL BURRS		 <i>Litchfield, Illinois</i>	
TITLE: ELECTRONIC FUEL PUMP, 414xx SERIES			
SIZE C	DWG. NO. 110020100	REV A	
SCALE: 1/1		WEIGHT: 2.4 LB	SHEET: 5 OF 5

THIRD ANGLE PROJECTION 

DO NOT SCALE DRAWING